

FIG. 1

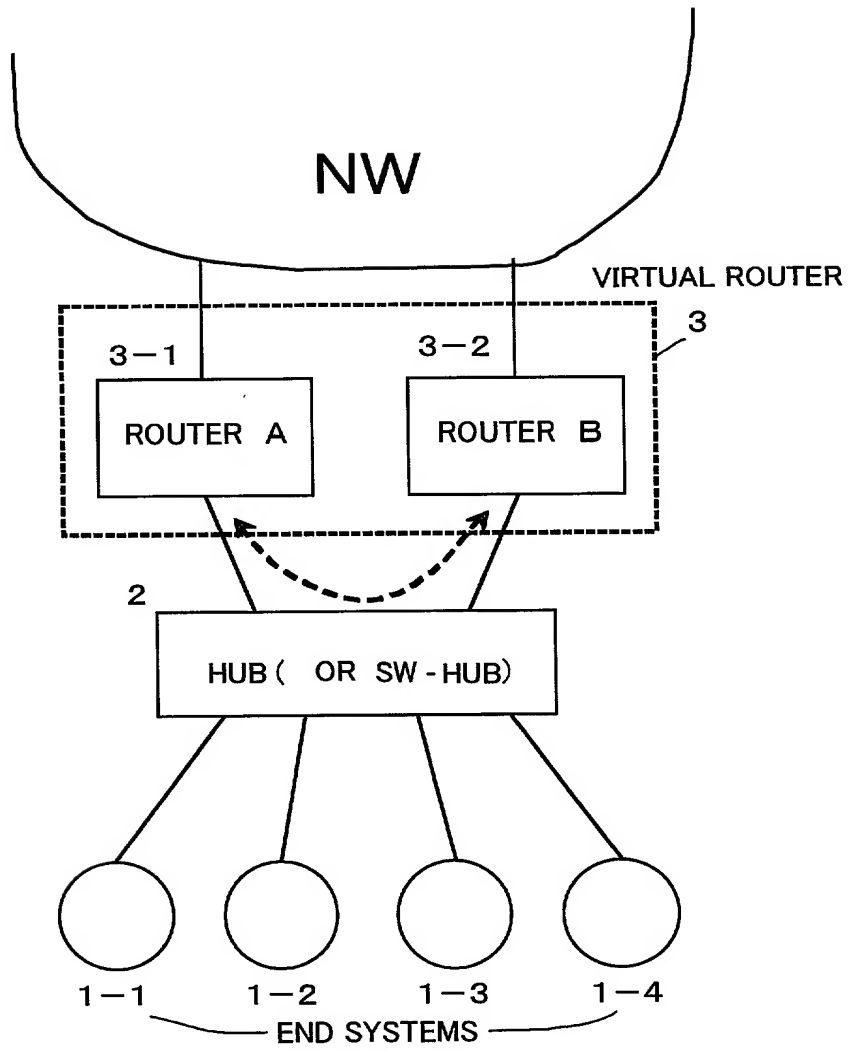


FIG. 2

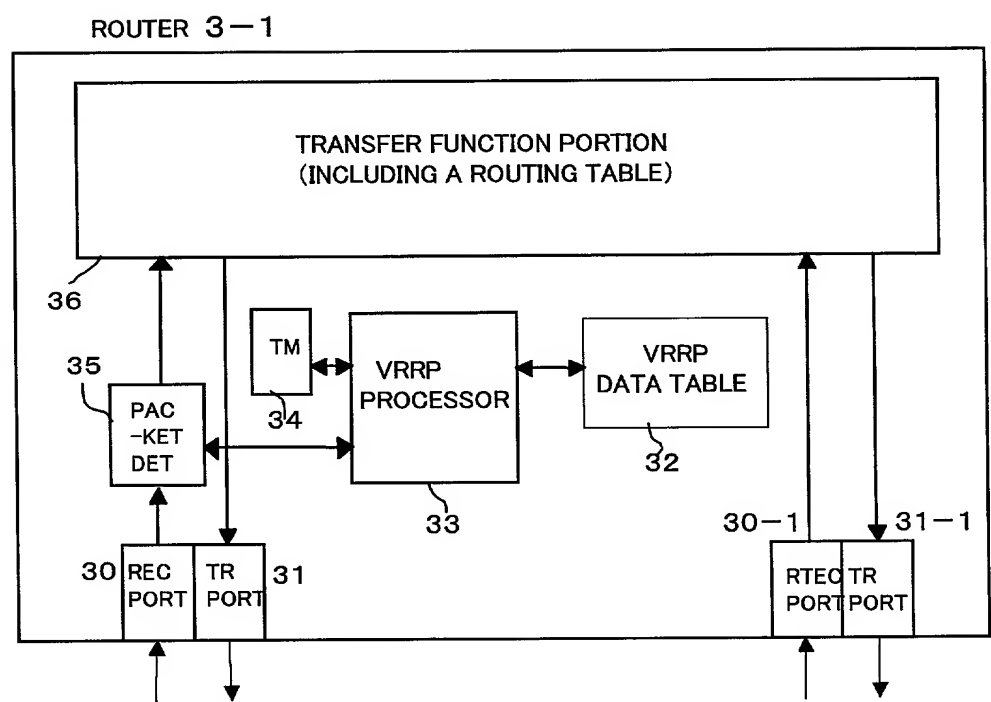


FIG. 3

0		15,16		31	
VERSION	TYPE	VR ID	PRIORITY	COUNT IP ADDRESS	
AUTH TYPE		ADVER INT	CHECK SUM		
IP ADDRESS (1)					
IP ADDRESS (2)					
⋮					
IP ADDRESS (n)					
AUTHENTICATION DATA (1)					
AUTHENTICATION DATA (2)					

FIG. 4

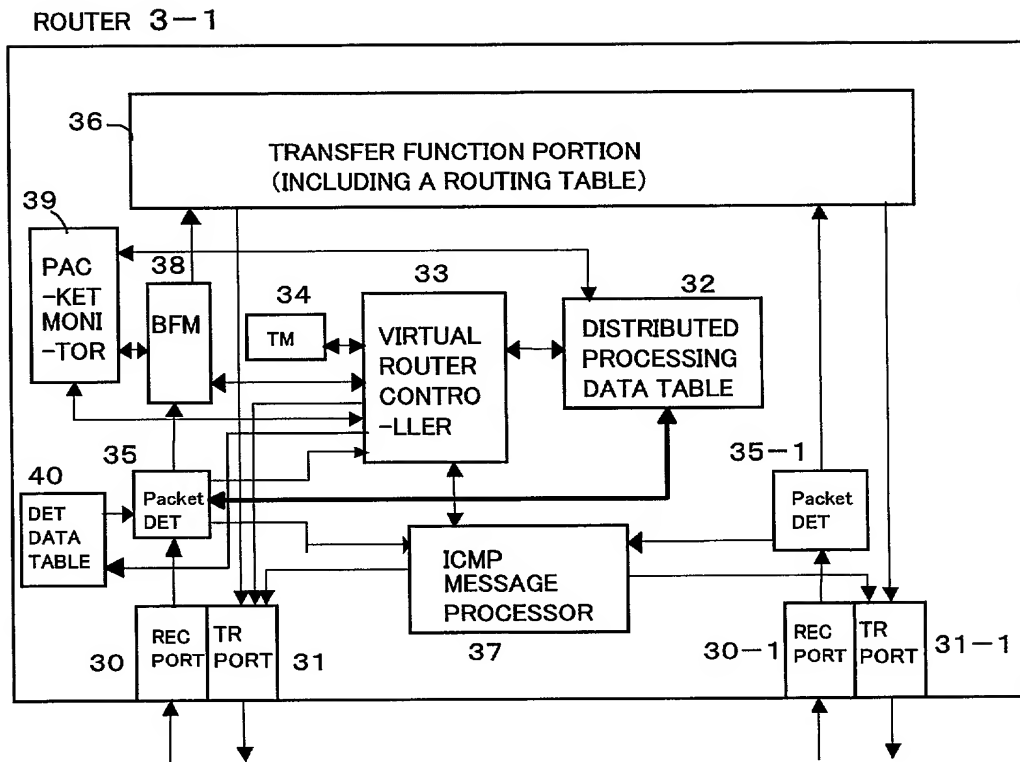


FIG. 5

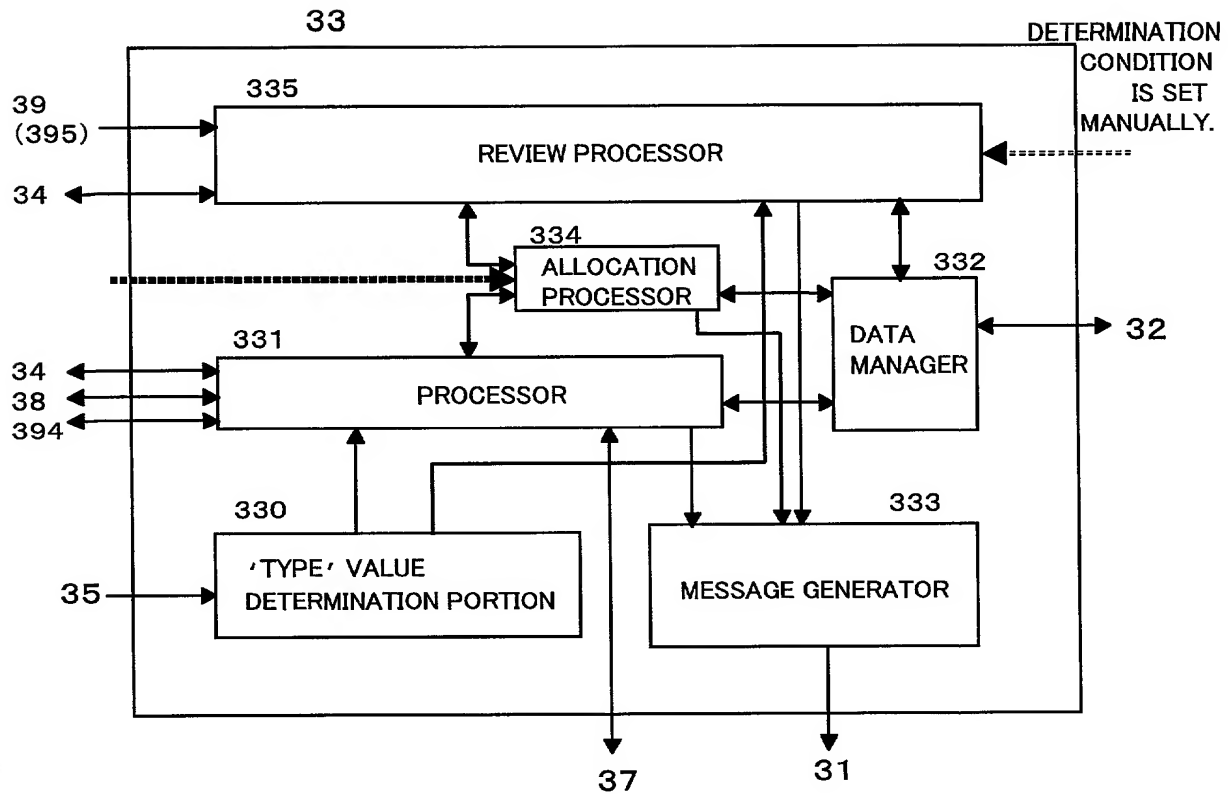


FIG. 6

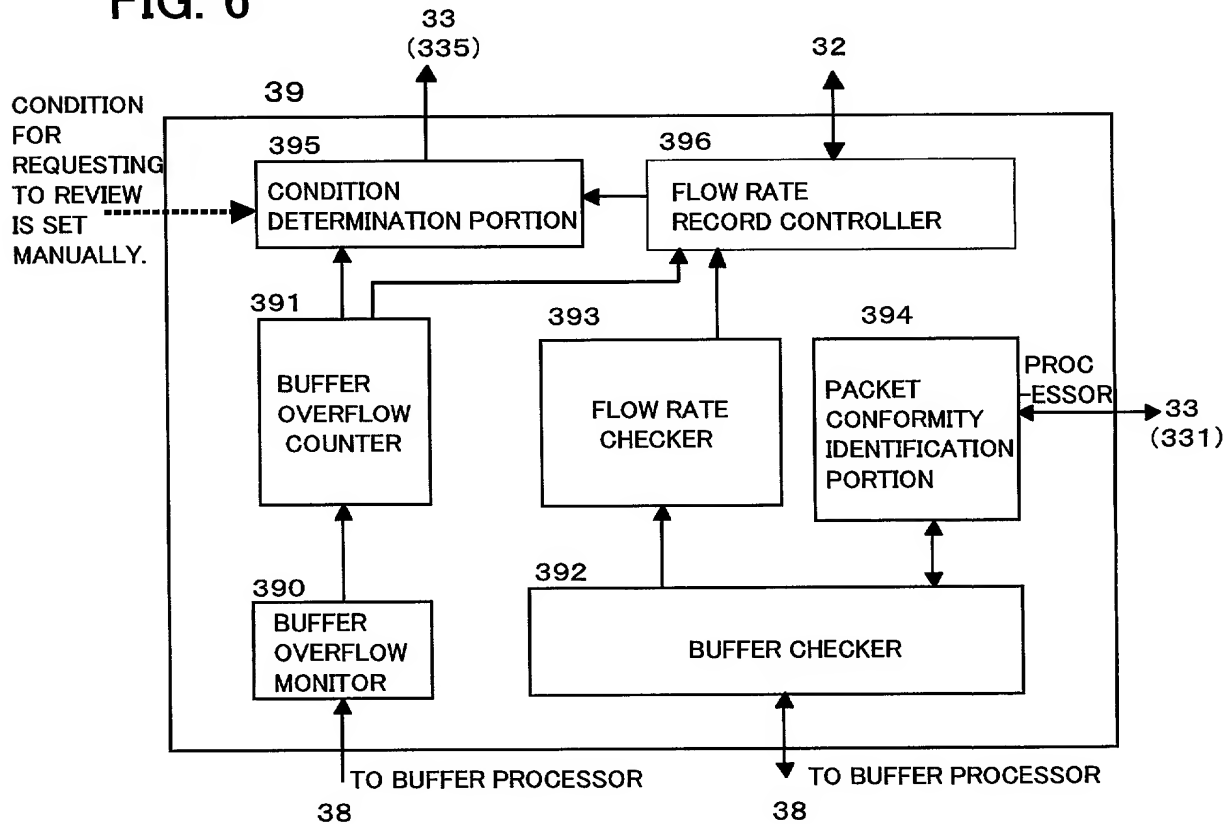


FIG. 7

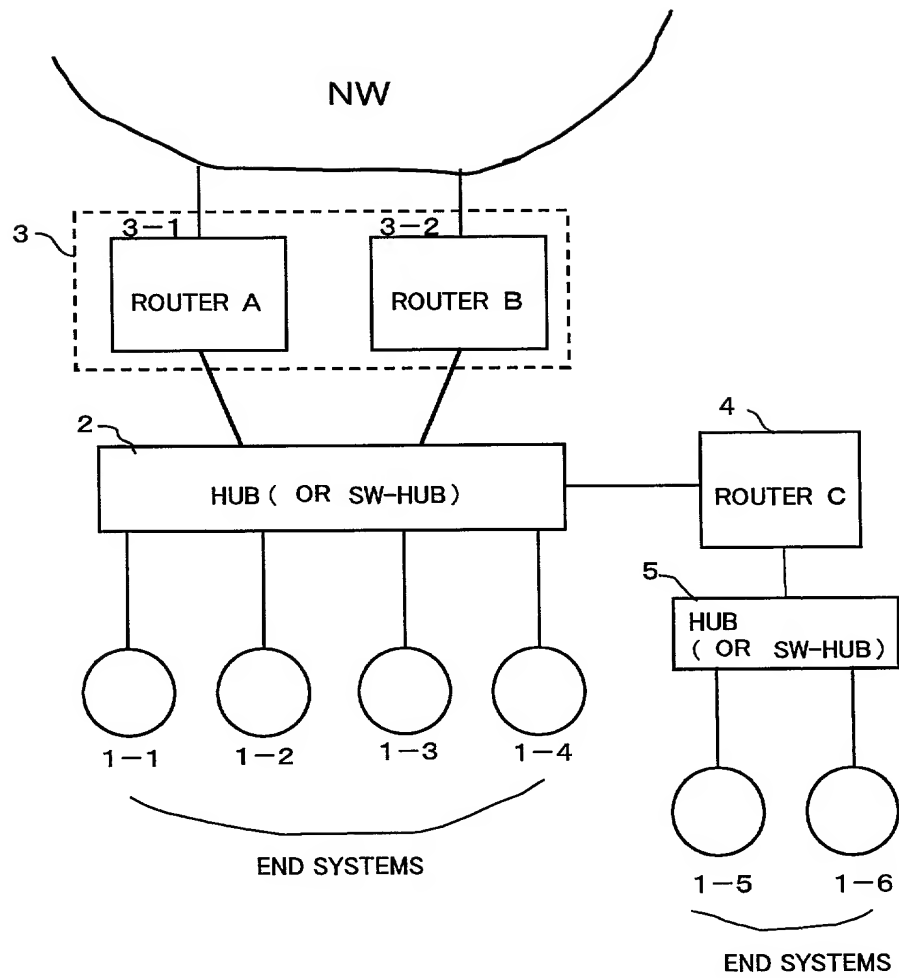


FIG.8A

0		15,16			31	
VERSION	HEADER LENGTH	SERVICE TYPE	TOTAL LENGTH			
IDENTIFIER (ID)			FLAG	FRAGMENT OFFSET		
LIFE TIME (TTL)		PROTOCOL	HEADER CHECK SUM			
SOURCE ADDRESS						
DESTINATION ADDRESS						
OPTION					PADDING	

FIG.8B

0		15,16		31	
TYPE		CODE		CHECK SUM	
IDENTIFIER				SEQUENCE NUMBER	

FIG. 9A

DISTRIBUTED PROCESSING DATA TABLE

VIRTUAL ROUTER INFORMATION

VIRTUAL ROUTER ID	1
VIRTUAL IP ADDRESS	10. 15. 18. 1
OPERATION MODE	00
NUMBER OF ROUTERS	2
ROUTER 1	10. 15. 18. 1
STATE ROUTER 1	0:WORKING
ROUTER 2	10. 15. 18. 2
STATE ROUTER 2	1:SUSPENDING

FIG. 9B

SUBNET CONFIGURATION INFORMATION

NODE 1	10. 15. 18. 100
NODE 2	10. 15. 18. 101
NODE 3	10. 15. 18. 102
⋮	⋮

FIG. 9C

PACKET INFORMATION

IP ADDRESS OF THE ROUTER IN CHARGE	CONDITION (IP ADDRESS)	FLOW RATE	NUMBER OF BUFFER OVERFLOW TIMES
10. 15. 18. 1	10. 15. 18. 100 10. 15. 18. 101	XXXX XXXX	XX
10. 15. 18. 2	10. 15. 18. 102	XXXX	XX
⋮	⋮	⋮	⋮

FIG. 10A

EXTENDED FRAME FORMAT
ALLOCATION PACKET

0		15,16		31	
VERSION	TYPE	VR ID	PRIORITY	COUNT IP ADDRESS	
AUTH TYPE		RESERVE	CHECK SUM		
ROUTER 1 IP ADDRESS					
NUMBER OF OBJECT EQUIPMENT UNITS					
OBJECT IP ADDRESS 1					
⋮					
ROUTER 2 IP ADDRESS					
NUMBER OF OBJECT EQUIPMENT UNITS					
OBJECT IP ADDRESS 1					
⋮					
AUTHENTICATION DATA (1)					
AUTHENTICATION DATA (2)					

※TYPE VALUE IS '3'.

FIG. 10B

ALLOCATION CONFIRMATION PACKET

0		15,16		31	
VERSION	TYPE	VR ID	PRIORITY	COUNT IP ADDRESS	
RESERVE			CHECK SUM		
ROUTER IP ADDRESS					

※TYPE VALUE IS '4'.

FIG. 10C

SEQUENCE NUMBER INFORMATION PACKET

0	15,16				31
VERSION	TYPE	VR ID	PRIORITY	COUNT IP ADDRESS	
AUTH TYPE		RESERVE	CHECK SUM		
DESTINATION IP ADDRESS					
SOURCE IP ADDRESS					
TCP PORT NUMBER			TOP SEQUENCE NUMBER		
:					
DESTINATION IP ADDRESS					
SOURCE IP ADDRESS					
TCP PORT NUMBER			TOP SEQUENCE NUMBER		
AUTHENTICATION DATA (1)					
AUTHENTICATION DATA (2)					

※TYPE VALUE IS '5'.

FIG. 10D

REVIEW REQUEST PACKET

0		15,16		31	
VERSION	TYPE	VR ID	PRIORITY	COUNT IP ADDRESS	
RESERVE			CHECK SUM		

※TYPE VALUE IS '6'.

FIG. 10E

FLOW RATE INFORMATION REQUEST PACKET

0		15,16		31	
VERSION	TYPE	VR ID	PRIORITY	COUNTIP ADDRESS	
RESERVE			CHECK SUM		

※TYPE VALUE IS '7'.

FIG. 10F

FLOW RATE INFORMATION RESPONSE PACKET

FLOW RATE INFORMATION REQUEST					31
0		15,16			
VERSION	TYPE	VR ID	PRIORITY	COUNT IP ADDRESS	
AUTH TYPE		NUMBER OF BUFFER OVERFLOW TIMES	CHECK SUM		
NUMBER OF OBJECT CONDITIONS					
OBJECT IP ADDRESS 1					
FLOW RATE					
:					
OBJECT IP ADDRESS n					
FLOW RATE					
AUTHENTICATION DATA (1)					
AUTHENTICATION DATA (2)					

※TYPE VALUE IS '8'.

10058839.012802

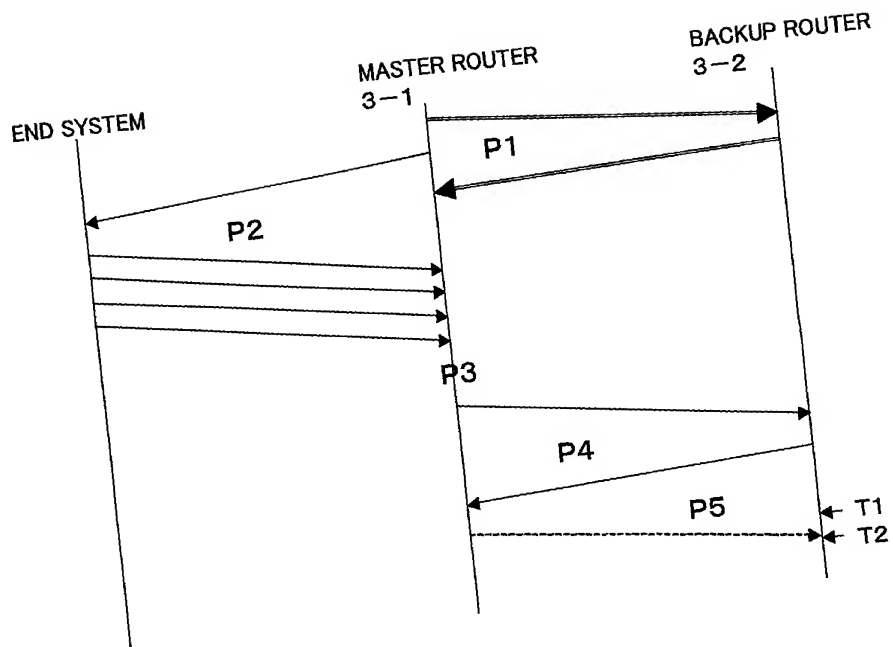
FIG. 11

AN EXAMPLE OF DETERMINATION DATA TABLE

CONDITION	STATE
10. 15. 18. 100	TRANSMIT
10. 15. 18. 101	DISCARD
10. 15. 18. 102	DISCARD
⋮	⋮

FIG. 11 is a flowchart illustrating an example of a determination data table.

FIG. 12



1058339 012803

FIG. 13

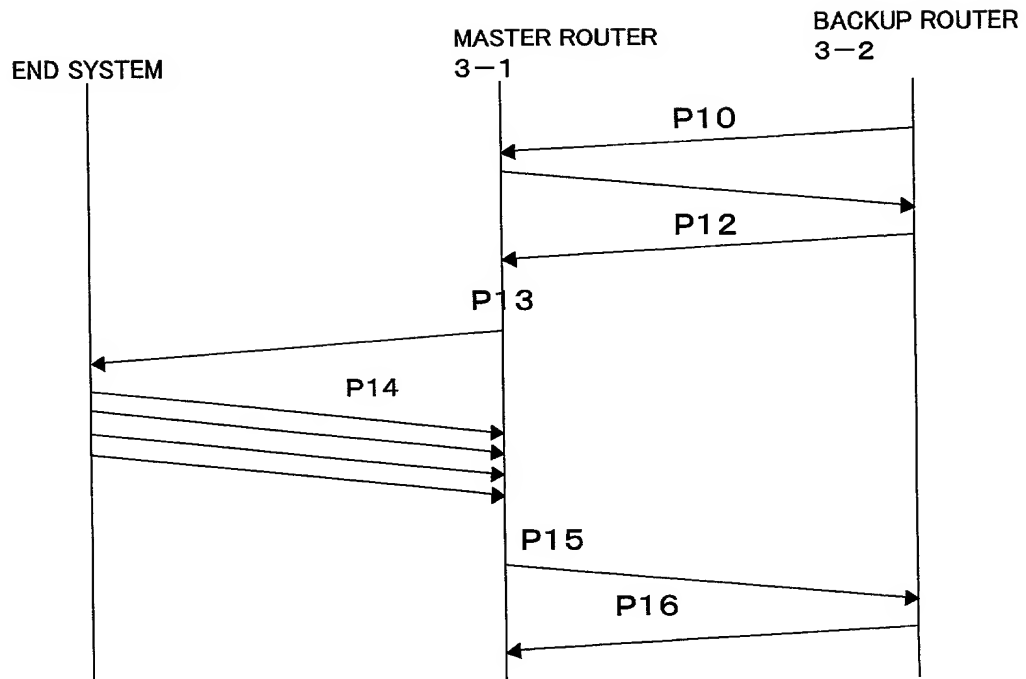


FIG. 14

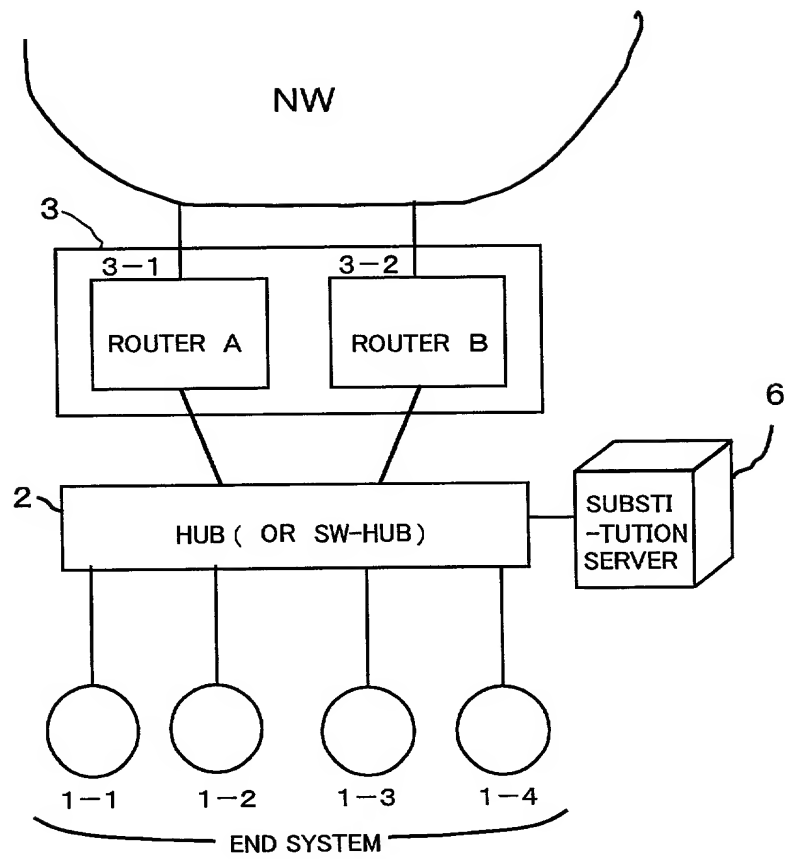


FIG. 15

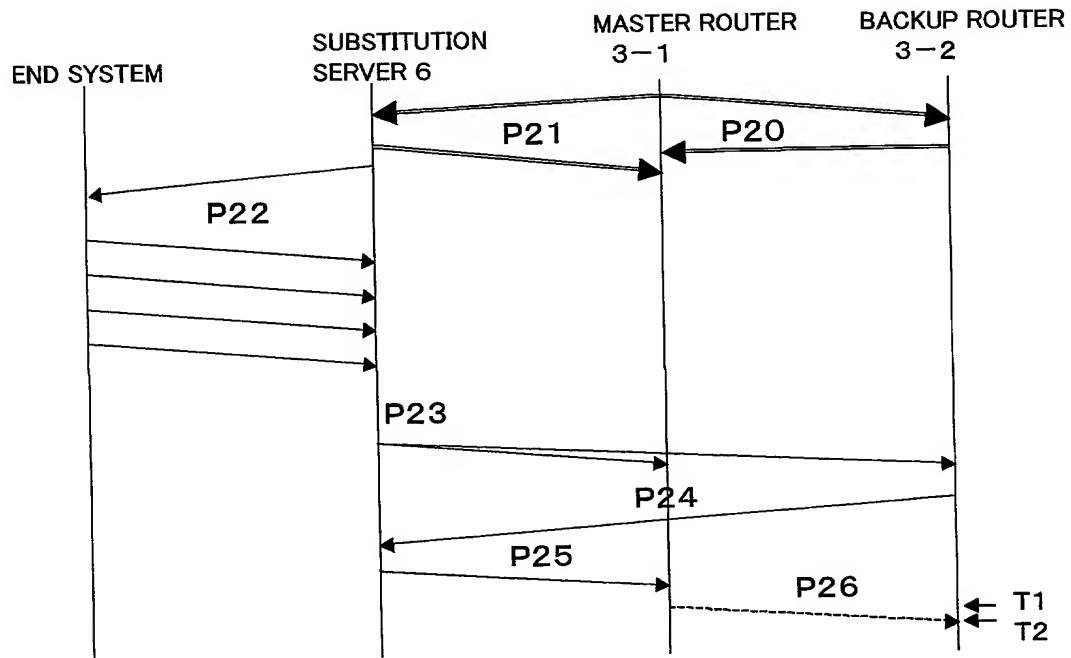


FIG. 16

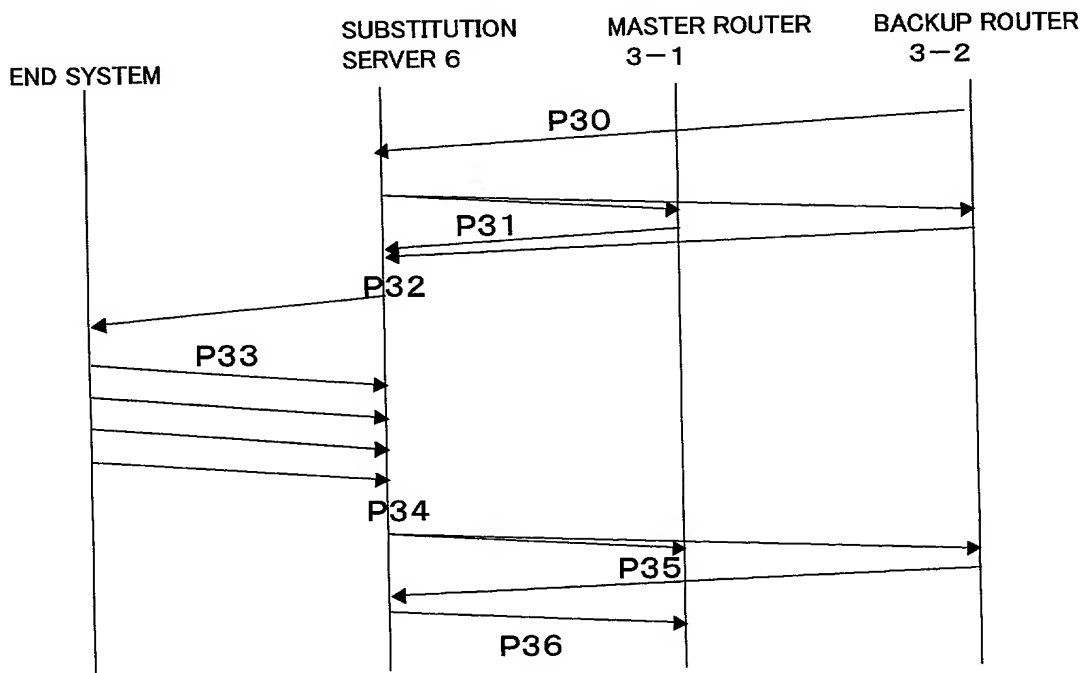


FIG. 17

